bio-protocol Preprint

Not Peer Reviewed
Ask a question online

Histological examination

Francesco Zorzato Alexis Ruiz

Updated date: Jul 8, 2022

An abbreviated version of this protocol was published in eLIFE in Mar 2022

Improvement of muscle strength in a mouse model for congenital myopathy treated with HDAC and DNA methyltransferase inhibitors

DOI: 10.7554/eLife.73718

Detailed protocol

1) Samples in PBS for 5min at room temperature (RT)
2) Block at RT for 30min (Blocking solution: 0.4%TritonX100 in PBS (containing 10 % goat serum))
3) Wash 3 x 5 min in PBS
4) Primary antibody 2h at RT (Primary antibody solution: 10 % Goat serum in PBS).
5) wash 4 x 5 min
6) Secondary antibody 1h at RT (Secondary antibody solution: 10 % Goat serum in PBS)
7) wash 4 x 5min
8) add mounting medium (prolong gold antifade: Dako faramount aqueous mounting medium - ref S3025)
9) put cover slip.

Primary Antibody mix	
Reagent	**dilution**
BA-D5 - I	1:100
SC-71 - IIA	1:200
BF-F3 - IIB	1:50
Laminin b1c1 (L9393)	1:200

Secondary Antibody mix	
Reagent	**dilution**
AF568 IgG1 GaM (21124)	1:100
AF488 IgM GaM (21042)	1:100
Dylight 405 IgG GaM (115-475-207)	1:40
AF647 IgG DaRb (711-605-152)	1:200

How to cite:（Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used）

1. Zorzato, F. and Ruiz, A. (2022). Histological examination. Bio-protocol Preprint. bio-protocol.org/prep1777.
2. Ruiz, A., Benucci, S., Duthaler, U., Bachmann, C., Franchini, M., Noreen, F., Pietrangelo, L., Protasi, F., Treves, S. and Zorzato, F.(2022). Improvement of muscle strength in a mouse model for congenital myopathy treated with HDAC and DNA methyltransferase inhibitors. eLIFE. DOI: 10.7554/eLife.73718

Copyright: Content may be subjected to copyright.